

REPLACEMENT SHEET OF FIGURE 5A

Frame 1	M	R	V	P	A	O	L	L	G	L	L	L	L	W	L	P	G	A	R
	ATG	AGG	GTC	CCC	GCT	CAG	CTC	CTG	GGG	CTC	CTG	CTG	CTC	TGG	CTC	CCA	GGT	GCA	CGA
			9			18			27			36			45			54	
C	E	S	A	L	T	O	P	P	S	V	S	G	A	P	G	Q	K	V	T
TGT	GAG	TCT	GCC	CTG	ACA	CAG	CCG	CCC	TCA	GTG	TCT	GGG	GCC	CCA	GGG	CAG	AAG	GTC	ACC
	63			72			81			90			99			108			117
S	C	T	G	S	T	S	N	I	G	G	Y	D	L	H	W	Y	Q	Q	L
TCG	TGC	ACT	GGG	AGC	ACC	TCC	AAC	ATT	GGA	GGT	TAT	GAT	CTA	CAT	TGG	TAC	CAG	CAG	CTC
	126			135			144			153			162			171			180
G	T	A	P	K	L	L	I	Y	D	I	N	K	R	P	S	G	I	S	D
GGA	ACG	GCC	CCC	AAA	CTC	CTC	ATC	TAT	GAC	ATT	AAC	AAG	CGA	CCC	TCA	GGA	ATT	TCT	GAC
	189			198			207			216			225			234			243
F	S	G	S	K	S	G	T	A	A	S	L	A	I	T	G	L	Q	T	E
TTC	TCT	GGC	TCC	AAG	TCT	GGT	ACC	ACG	GCC	TCC	CTG	GCC	ATC	ACT	GGG	CTC	CAG	ACT	GAG
	252			261			270			279			288			297			306
E	A	D	Y	Y	C	O	S	Y	D	S	S	L	N	A	Q	V	F	G	G
GAG	GCT	GAT	TAT	TAC	TGC	CAG	TCC	TAT	GAC	AGC	AGC	CTG	AAT	GCT	CAG	GTA	TTC	GGA	GGA
	315			324			333			342			351			360			369
T	R	L	T	V	L	G	Q	P	K	A	A	P	T	V	T	L	F	P	P
ACC	CGG	CTG	ACC	GTC	CTA	GGT	CAG	CCC	AAG	GCT	GCC	CCC	ACG	GTC	ACT	CTG	TTC	CCG	CCC
	378			387			396			405			414			423			432
S	E	E	L	O	A	N	K	A	T	L	V	C	L	I	S	D	F	Y	F
TCT	GAG	GAG	CTT	CAA	GCC	AAC	AAG	GCC	ACA	CTG	GTG	TGT	CTC	ATA	AGT	GAC	TTC	TAC	CCG
	441			450			459			468			477			486			495
A	V	T	V	A	W	K	A	D	S	S	P	V	K	A	G	V	E	T	T
GCC	GTG	ACA	GTG	GCC	TGG	AAG	GCA	GAT	AGC	AGC	CCC	GTC	AAG	GCG	GGA	GTG	GAG	ACC	ACC
	504			513			522			531			540			549			558
P	S	K	Q	S	N	N	K	Y	A	A	S	S	Y	L	S	L	T	P	E
CCC	TCC	AAA	CAA	AGC	AAC	AAC	AAG	TAC	GCG	GCC	AGC	AGC	TAC	CTG	AGC	CTG	ACG	CCT	GAG
	567			576			585			594			603			612			621
W	K	S	H	R	S	Y	S	C	Q	V	T	H	E	G	S	T	V	E	K
TGG	AAG	TCC	CAC	AGA	AGC	TAC	AGC	TGC	CAG	GTC	ACG	CAT	GAA	GGG	AGC	ACC	GTG	GAG	AAG
	630			639			648			657			666			675			684
V	A	P	T	E	C	S													
GTG	GCC	CCT	ACA	GAA	TGT	TCA	TGA												
	693			702			711												

FIG. 5A

ANNOTATED SHEET OF FIGURE 5A

Frame 1 M R V P A O L L G L L L L W L P G A R
 ATG AGG GTC CCC GCT CAG CTC CTG GGG CTC CTG CTG CTC TGG CTC CCA GGT GCA CGA
 9 18 27 36 45 54
 C E S A L T O P P S V S G A P G O K V T I
 TGT GAG TCT GTC CTG ACA CAG CCG CCC TCA GTG TCT GGG GCC CCA GGG CAG AAG GTC ACC ATC
 63 72 81 90 99 108 117
 S C T G S T S N I G G Y D L H W Y O O L P
 TCG TGC ACT GGG AGC ACC TCC AAC ATT GGA GGT TAT GAT CTA CAT TGG TAC CAG CAG CTC CCA
 126 135 144 153 162 171 180
 G T A P K L L I Y D I N K R P S G I S D R
 GGA ACG GCC CCC AAA CTC CTC ATC TAT GAC ATT AAC AAG CGA CCC TCA GGA ATT TCT GAC CGA
 189 198 207 216 225 234 243
 F S G S K S G T A G A S L A I T G L O T E D
 TTC TCT GGC TCC AAG TCT GGT ACC GCG GCC TCC CTG GCC ATC ACT GGG CTC CAG ACT GAG GAT
 252 261 270 279 288 297 306
 E A D Y Y C O S Y D S S L N A O V F G G G
 GAG GCT GAT TAT TAC TGC CAG TCC TAT GAC AGC AGC CTG AAT GCT CAG GTA TTC GGA GGA GGG
 315 324 333 342 351 360 369
 T R L T V L G O P K A A P T V T L F P P S
 ACC CGG CTG ACC GTC CTA GGT CAG CCC AAG GCT GCC CCC TCG GTC ACT CTG TTC CCG CCC TCC
 378 387 396 405 414 423 432
 S E E L O A N K A T L V C L I S D F Y F G
 TCT GAG GAG CTT CAA GCC AAC AAG GCC ACA CTG GTG TGT CTC ATA AGT GAC TTC TAC CCG GGA
 441 450 459 468 477 486 495
 A V T V A W K A D S S P V K A G V E T T T
 GCC GTG ACA GTG GCC TGG AAG GCA GAT AGC AGC CCC GTC AAG GCG GGA GTG GAG ACC ACC ACA
 504 513 522 531 540 549 558
 P S K O S N N K Y A A S S Y L S L T P E O
 CCC TCC AAA CAA AGC AAC AAC AAG TAC GCG GCC AGC AGC TAC CTG AGC CTG ACG CCT GAG CAG
 567 576 585 594 603 612 621
 W K S H R S Y S C O V T H E G S T V E K T
 TGG AAG TCC CAC AGA AGC TAC AGC TGC CAG GTC ACG CAT GAA GGG AGC ACC GTG GAG AAG ACA
 630 639 648 657 666 675 684
 V A P T E C S
 GTG GCC CCT ACA GAA TGT TCA TGA
 693 702 711

FIG. 5A